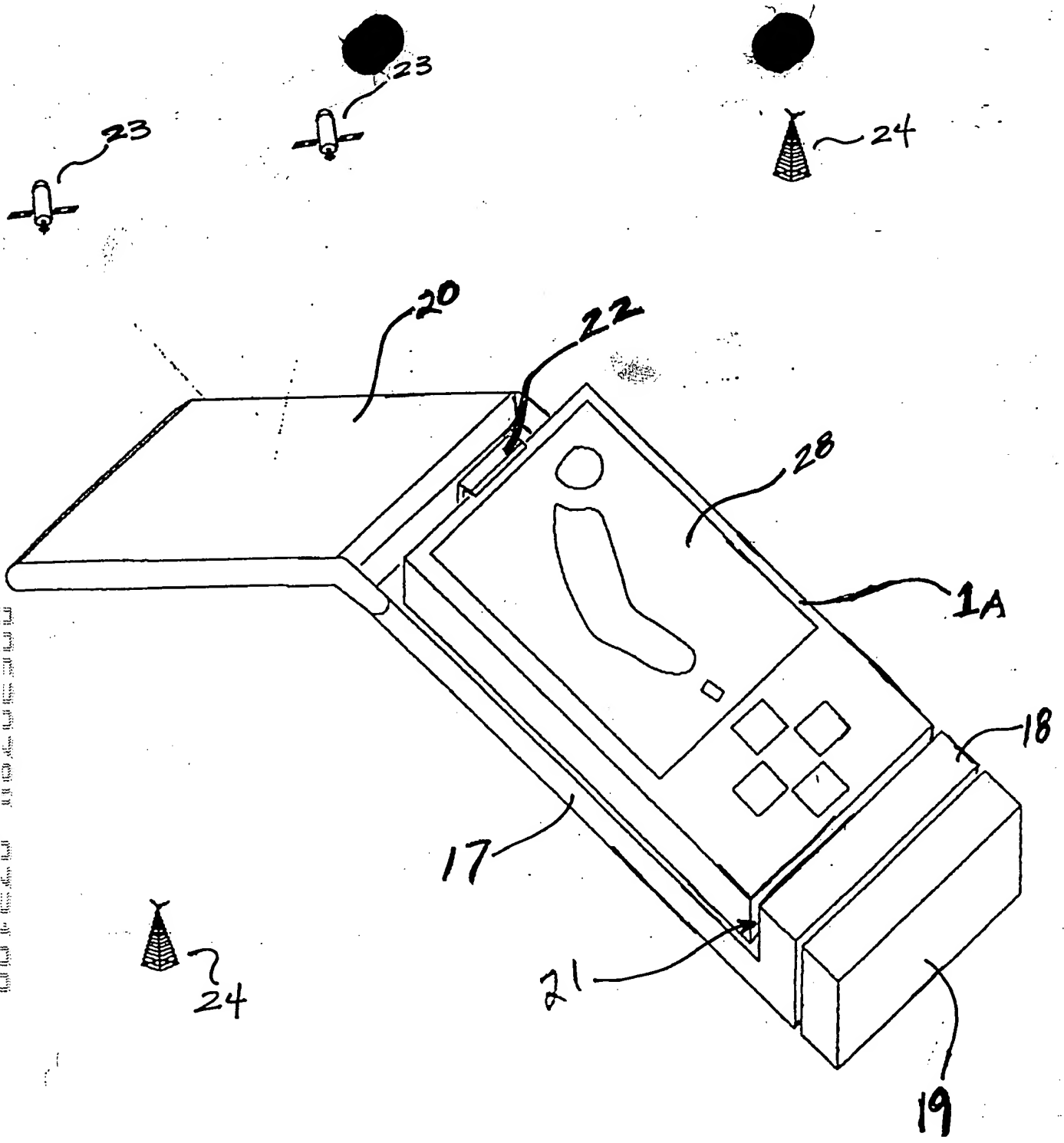


FIG. 7

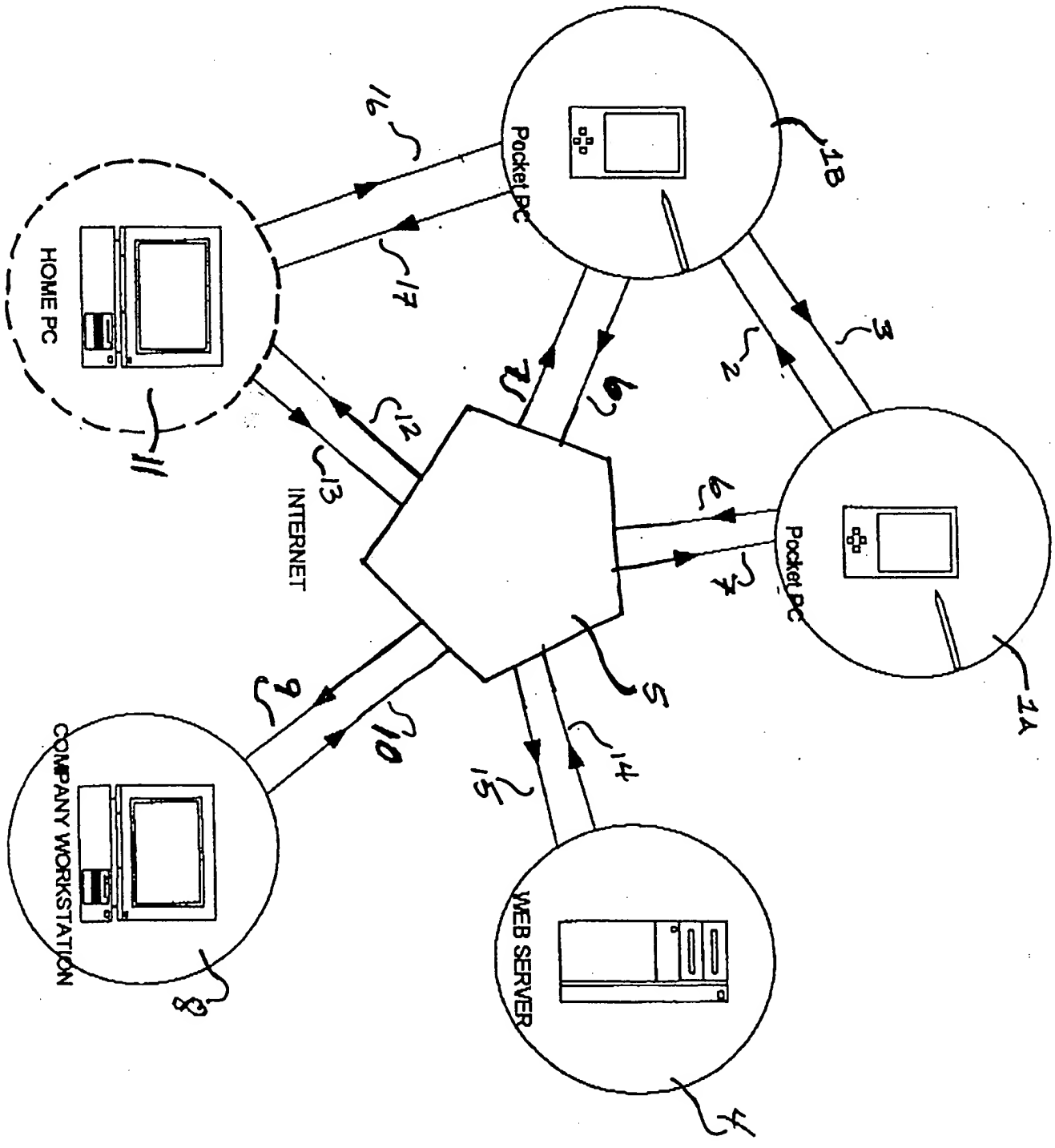

Pocket PC
HOME PC
INTERNET
Pocket PC
COMPANY WORKSTATION
WEB SERVER
16
17
18
3
2
1
12
13
11
6
7
5
14
15
4
9
10
8

FIG. 2

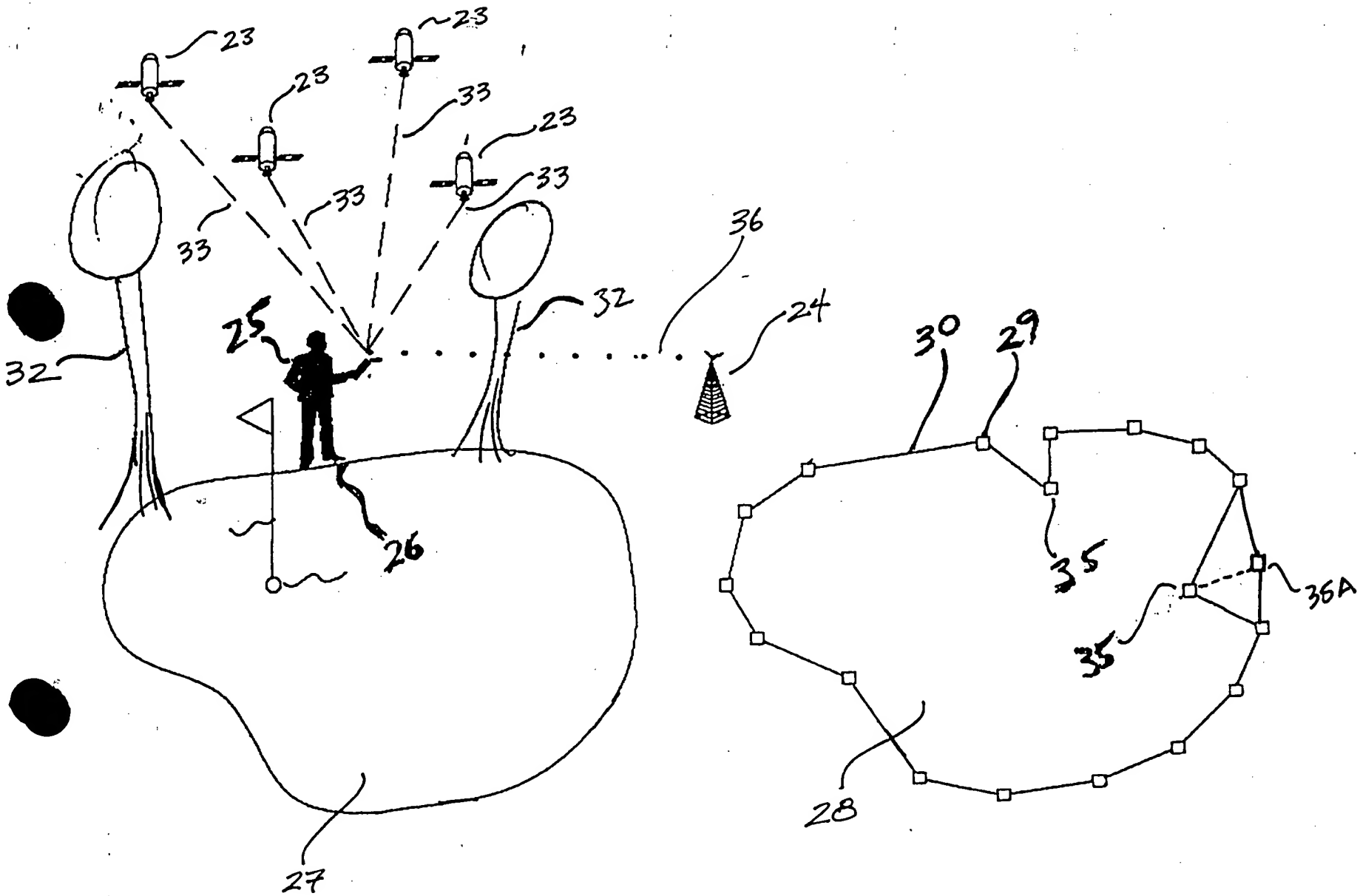


Fig. 3

FIG. 4A

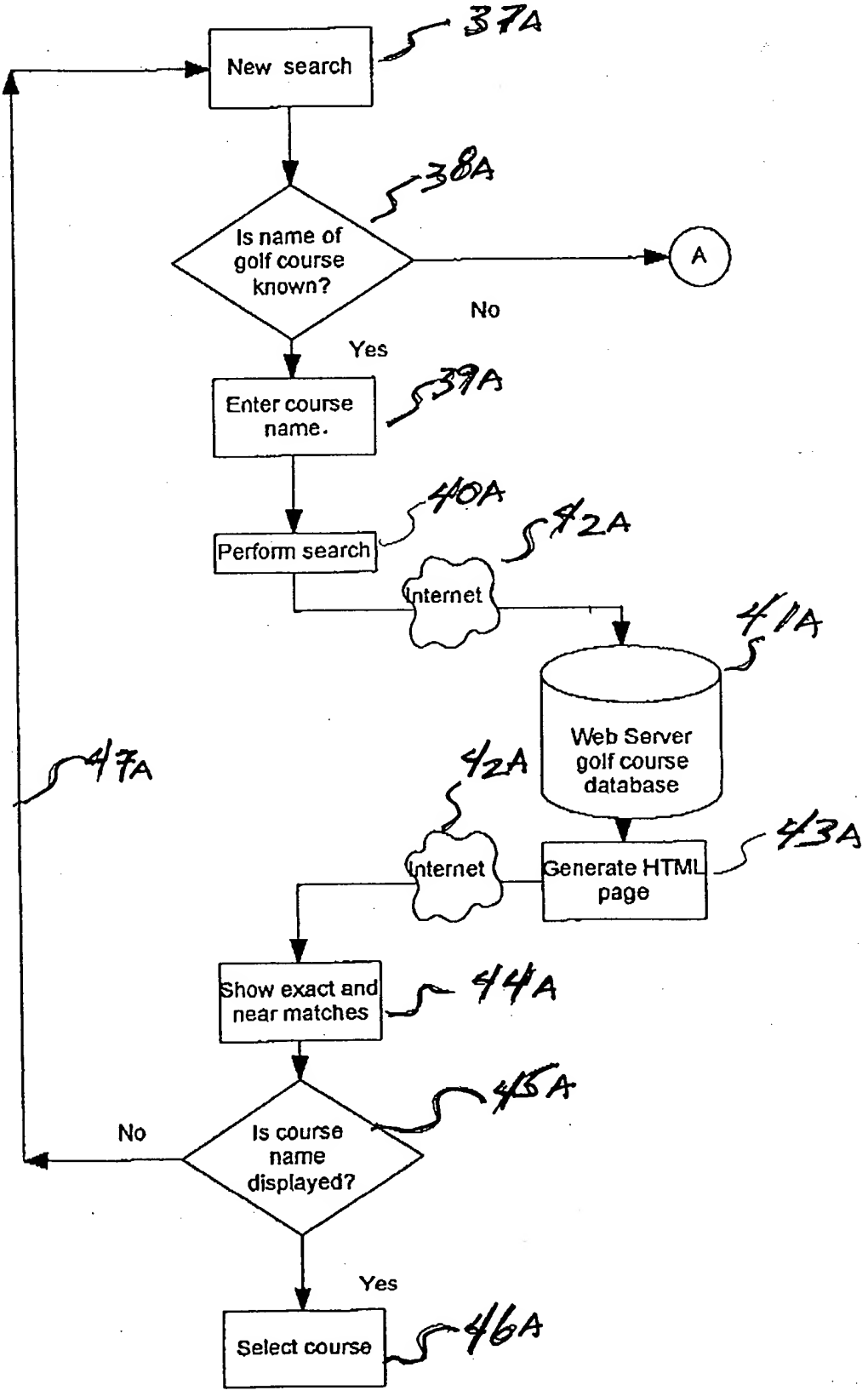

New search
37A
Is name of golf course known?
38A
A
No
Yes
Enter course name.
39A
Perform search
40A
Internet
42A
Web Server golf course database
41A
47A
42A
Internet
Generate HTML page
43A
Show exact and near matches
44A
Is course name displayed?
45A
No
Yes
Select course
46A

FIG. 4B

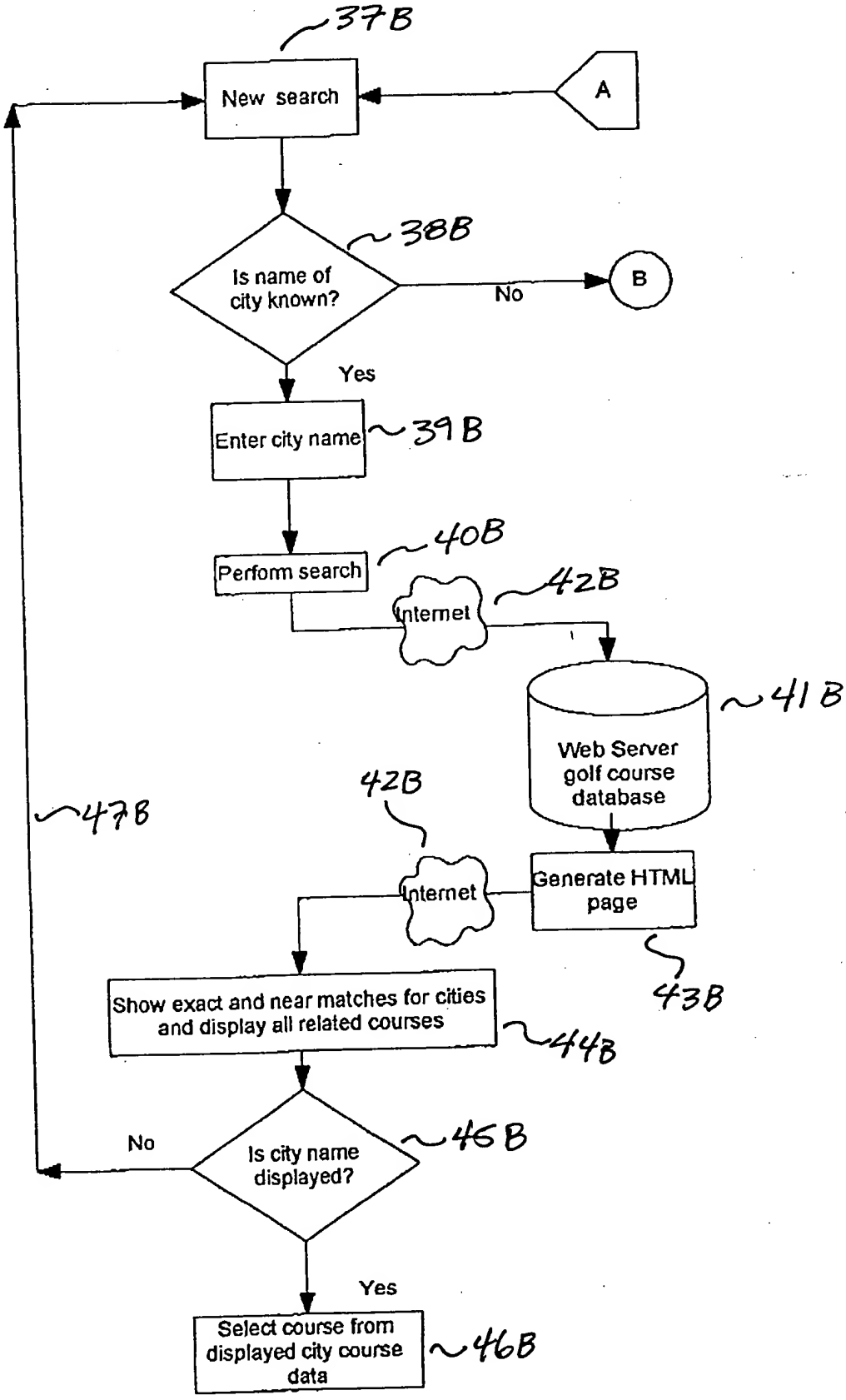

37B
New search
A
38B
Is name of city known?
No
B
Yes
Enter city name
39B
40B
Perform search
42B
Internet
41B
Web Server golf course database
42B
47B
Internet
Generate HTML page
43B
Show exact and near matches for cities and display all related courses
44B
No
Is city name displayed?
46B
Yes
Select course from displayed city course data
46B

FIG. 4C

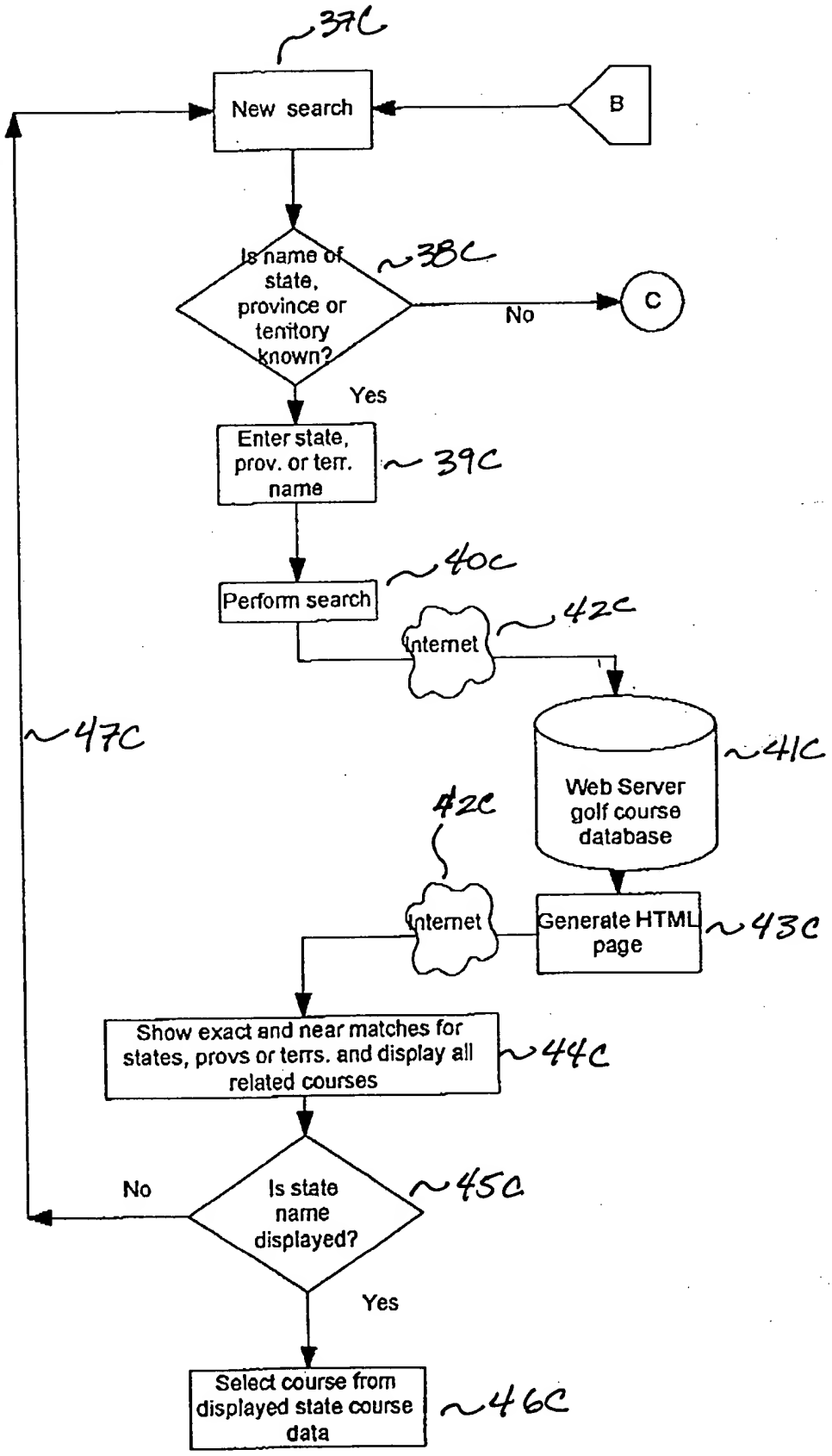

37C
New search
B
Is name of state, province or tenitory known?
38C
No
C
Yes
Enter state, prov. or terr. name
39C
Perform search
40C
Internet
42C
47C
Web Server golf course database
41C
42C
Internet
Generate HTML page
43C
Show exact and near matches for states, provs or terrs. and display all related courses
44C
No
Is state name displayed?
45C
Yes
Select course from displayed state course data
46C

FIG. 4D

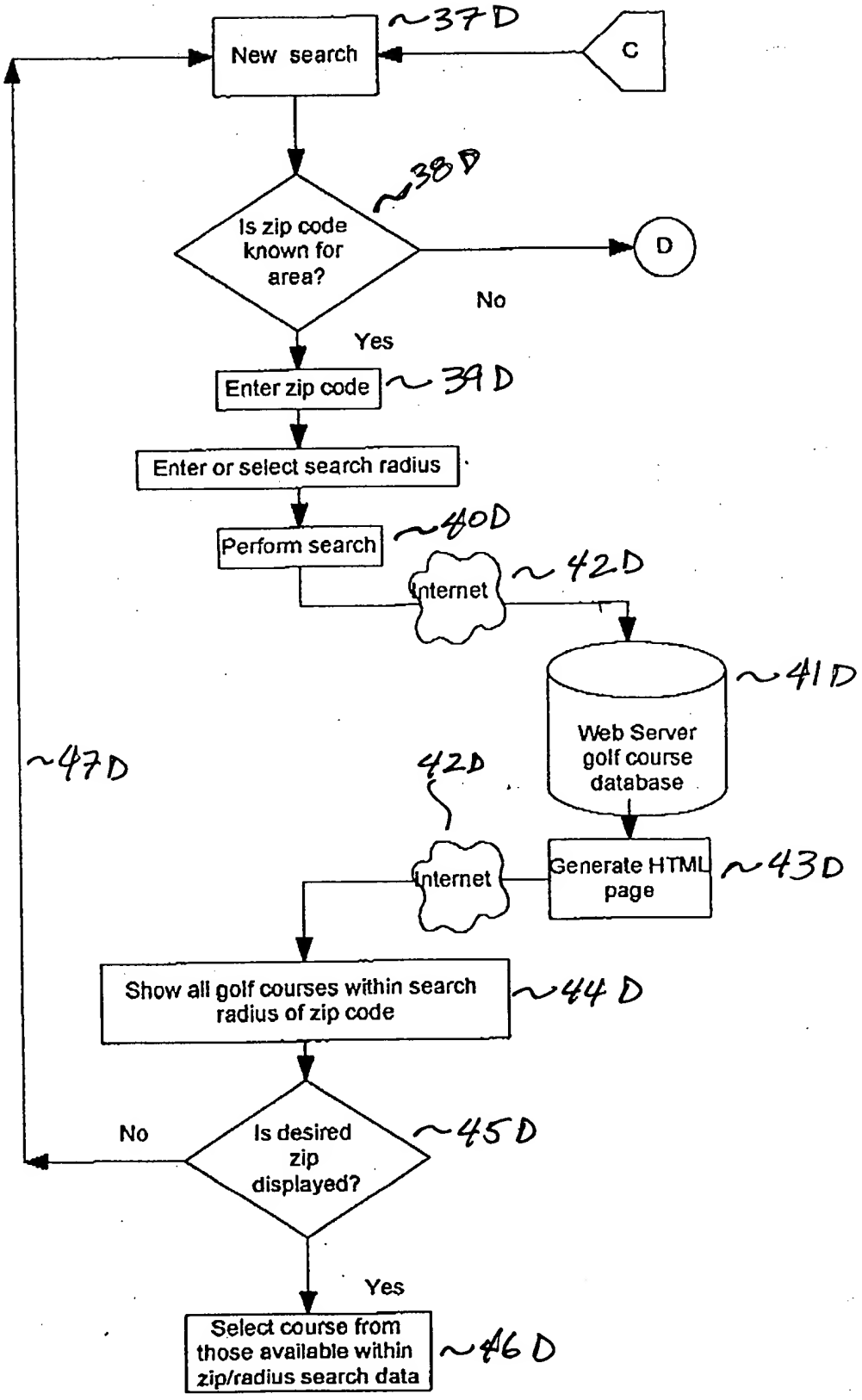
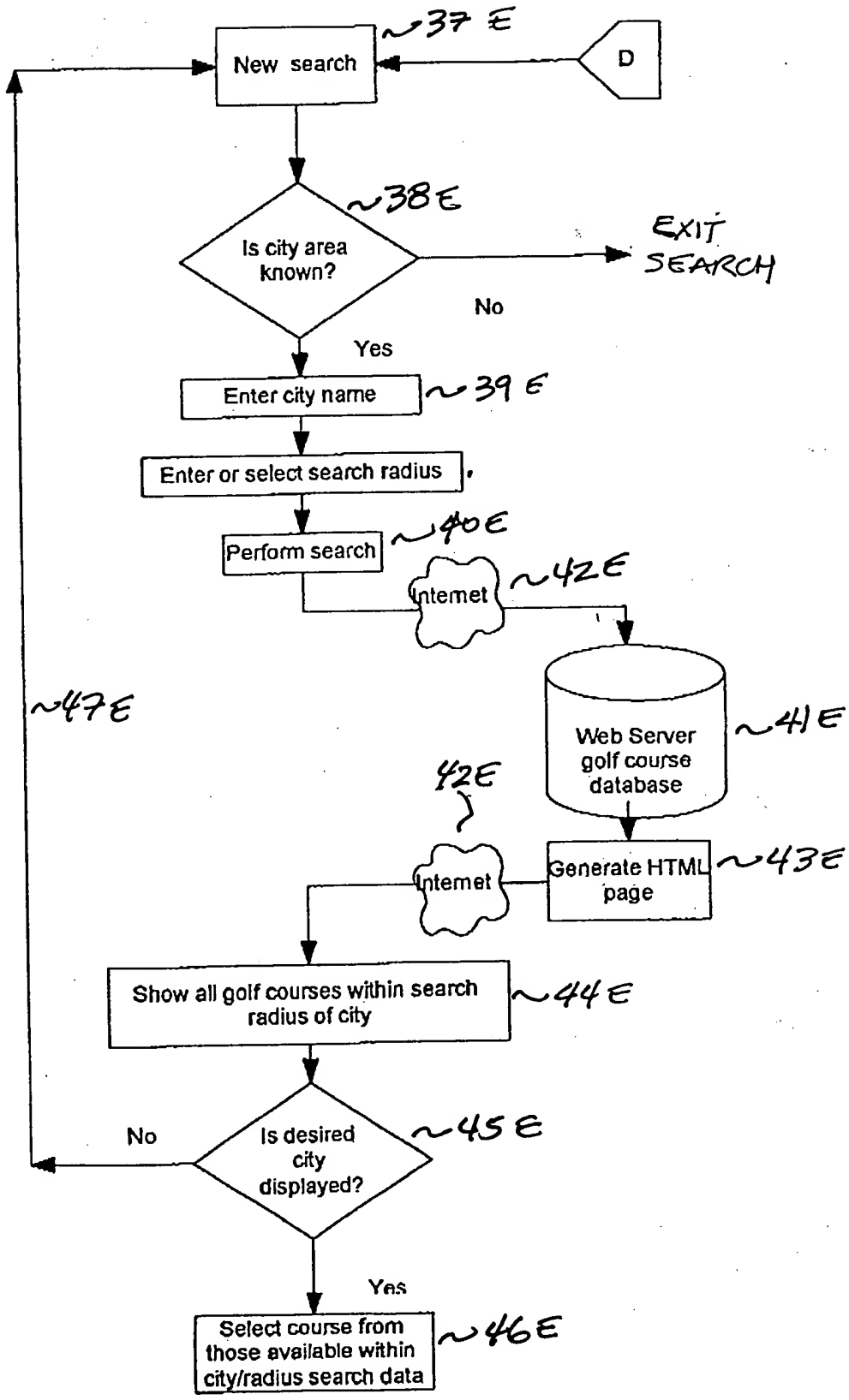

New search
37D
C
Is zip code known for area?
38D
D
No
Yes
Enter zip code
39D
Enter or select search radius
Perform search
40D
Internet
42D
Web Server golf course database
41D
47D
42D
Internet
Generate HTML page
43D
Show all golf courses within search radius of zip code
44D
No
Is desired zip displayed?
45D
Yes
Select course from those available within zip/radius search data
46D

Fig. 4E


New search
37E
D
Is city area known?
38E
EXIT SEARCH
No
Yes
Enter city name
39E
Enter or select search radius
Perform search
40E
Internet
42E
Web Server golf course database
41E
47E
42E
Internet
Generate HTML page
43E
Show all golf courses within search radius of city
44E
No
Is desired city displayed?
45E
Yes
Select course from those available within city/radius search data
46E

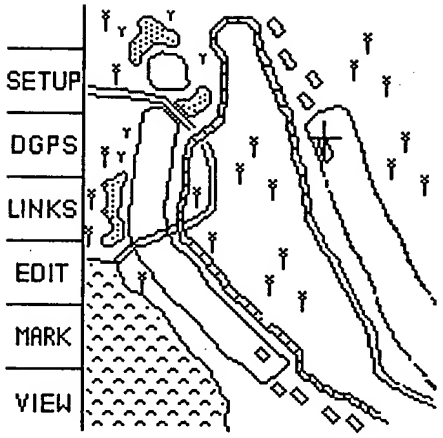


FIG. 5

	SETUP	UNITS	SETUP	SPEED
SETUP >	UNITS >	METER	UNITS >	WALK
DGPS >	SPEED >	YARD	SPEED >	RIDE
LINKS >				
EDIT >				
MARK >		SAVE		SAVE
VIEW >	MAIN	CANCL	MAIN	CANCL

FIG. 6

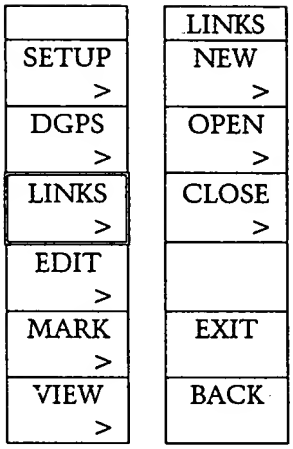

SETUP >
DGPS >
LINKS >
EDIT >
MARK >
VIEW >
LINKS
NEW >
OPEN >
CLOSE >
EXIT
BACK

FIG. 7

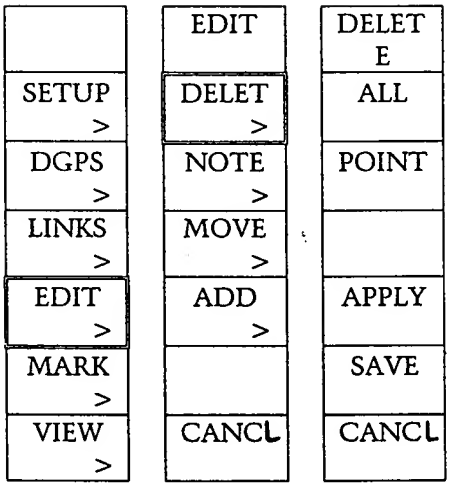

SETUP >
DGPS >
LINKS >
EDIT >
MARK >
VIEW >
EDIT
DELET >
NOTE >
MOVE >
ADD >
CANCL
DELET E
ALL
POINT
APPLY
SAVE
CANCL

FIG. 8

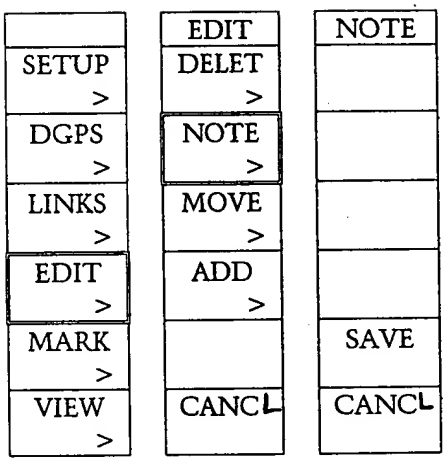

SETUP >
DGPS >
LINKS >
EDIT >
MARK >
VIEW >
EDIT
DELET >
NOTE >
MOVE >
ADD >
CANCL
NOTE
SAVE
CANCL

FIG. 9

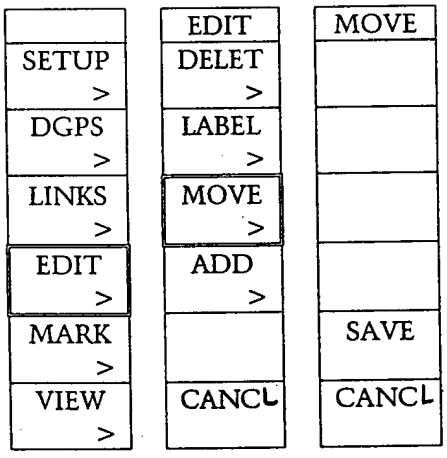

SETUP >
DGPS >
LINKS >
EDIT >
MARK >
VIEW >
EDIT
DELET >
LABEL >
MOVE >
ADD >
CANCL
MOVE
SAVE
CANCL

FIG. 10

	EDIT	ADD
SETUP >	DELET >	END
DGPS >	LABEL >	MIDDL
LINKS >	MOVE >	
EDIT >	ADD >	APPLY
MARK >		SAVE
VIEW >	CANCL	CANCL

FIG. 11

	AREA	A or L	A/L/Pt	LINE	POINT
SETUP >	TEE	BUNKR	TREE	PATH	PIN
DGPS >	FRWAY	ROUGH	BUSH	OB	C-o-G
LINKS >	GREEN	WATER	ROCK	DITCH	
EDIT >	HOLE	BLDG	MOUND		
MARK >					
VIEW >	BACK		OTHER		

FIG. 12

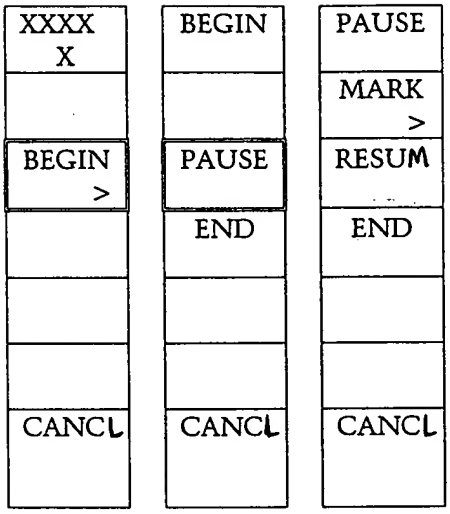

XXXX
X
BEGIN
>
CANCL
BEGIN
PAUSE
END
CANCL
PAUSE
MARK
>
RESUM
END
CANCL

FIG. 13

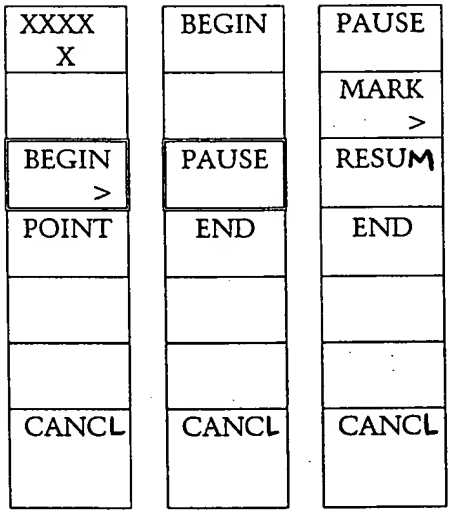

XXXX
X
BEGIN
>
POINT
CANCL
BEGIN
PAUSE
END
CANCL
PAUSE
MARK
>
RESUM
END
CANCL

FIG. 14

	TEE	FRWAY	GREEN	HOLE	BUNKR	ROUGH	WATER	TREE	BUSH	ROCK	MOUND	OTHER	PATH	OB	DITCH	CoG	FoG	Pin
Area	X	X	X	X	X	X	X	X	X	X	X	X						
Line					X	X	X	X	X	X	X	X	X	X	X			
Point								X	X	X	X	X				X	X	X
Hole Association	X	X	X	X	X	O	O	O	O	O	O	O	O	O	O	X	X	X
Mapping log rate (Hz)																		
Walking	1	1/3	1	1/3	1	1	1	na	na	na	na	1	1/3	1/3	1	na	na	na
Riding	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1

FIG. 15

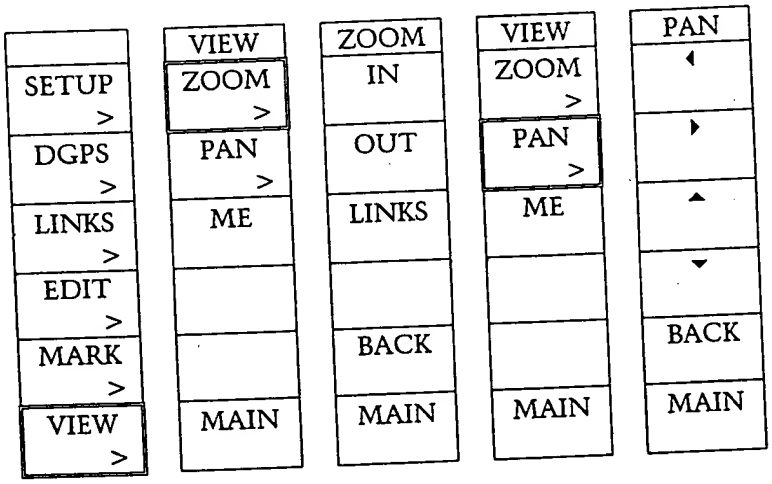


FIG. 16

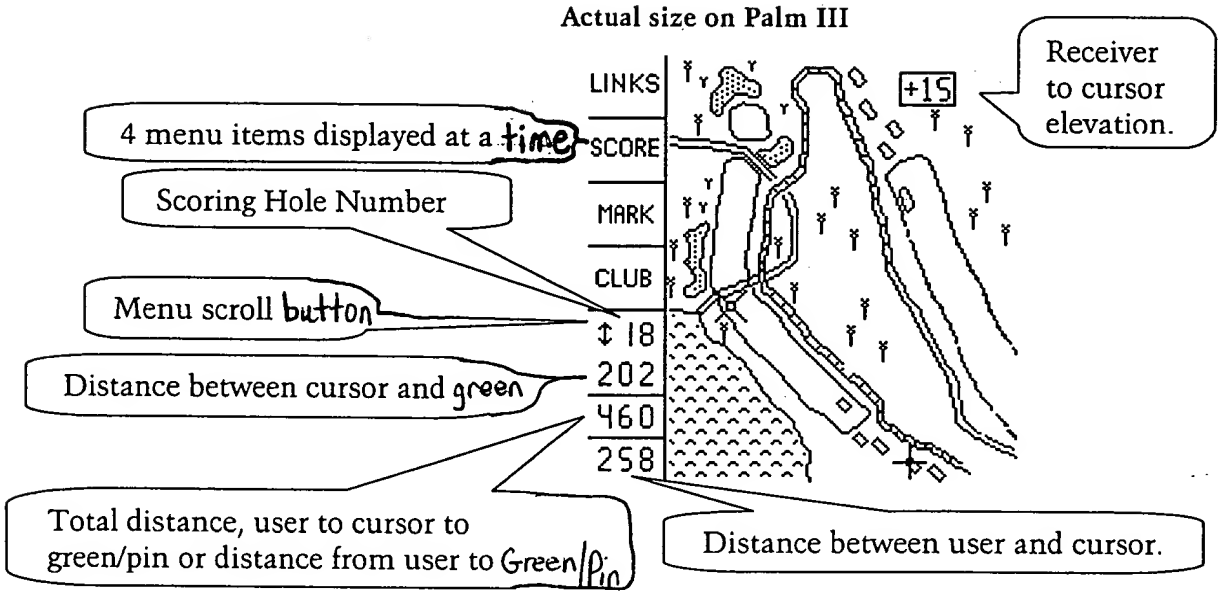

Actual size on Palm III
LINKS
SCORE
MARK
CLUB
↕ 18
202
460
258
+15
Receiver to cursor elevation.
4 menu items displayed at a time
Scoring Hole Number
Menu scroll button
Distance between cursor and green
Total distance, user to cursor to green/pin or distance from user to Green/Pin
Distance between user and cursor.

FIG. 17

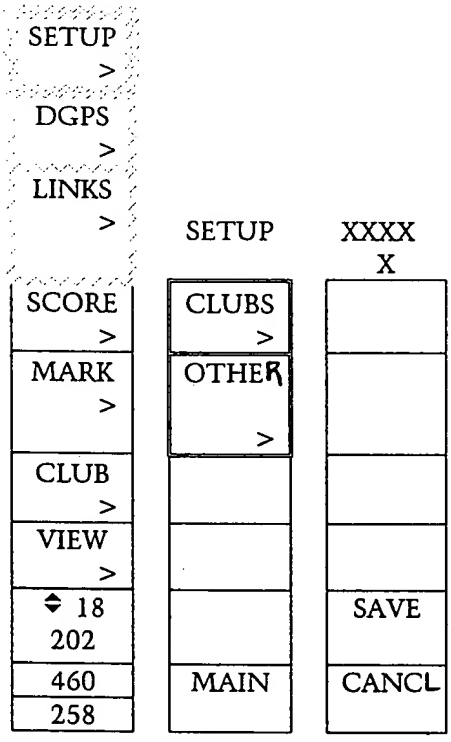

SETUP >
DGPS >
LINKS >
SCORE >
MARK >
CLUB >
VIEW >
↕ 18
202
460
258
SETUP
CLUBS >
OTHER >
MAIN
XXXX X
SAVE
CANCL

FIG. 18

Mark Green Strokes
Yes No
Green Reference Point
Daily Pin Placement
Center of Green
Front of Green
System Units
English US (Yards)
Metric (Meters)
Cursor Ghost Lines
On Off
Display Elevation Window
Yes No

Default Target Cursor Distance: 999
feet meters
Antenna Height: 999
Concentric Rover circles
On Off
yards/meters feet

FIG. 19

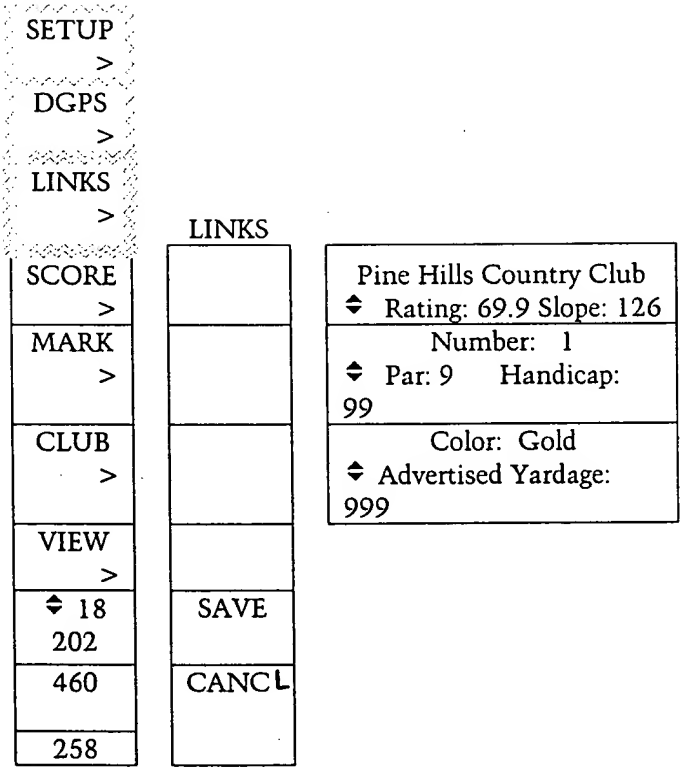


FIG. 20

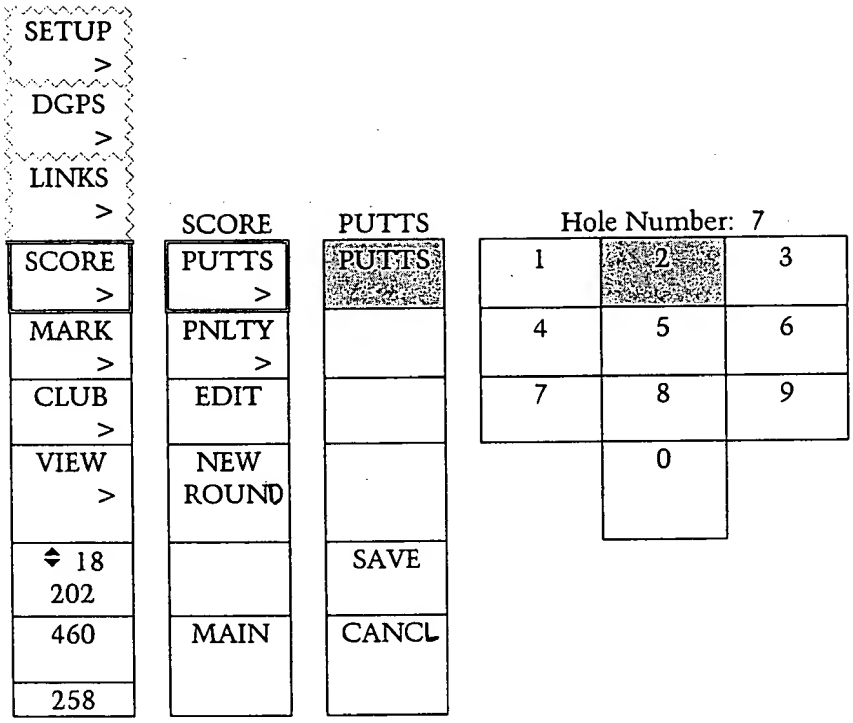

SETUP >
DGPS >
LINKS >
SCORE >
MARK >
CLUB >
VIEW >
18
202
460
258
SCORE
PUTTS >
PNLTY >
EDIT
NEW ROUND
MAIN
PUTTS
PUTTS
SAVE
CANCL
Hole Number: 7
1
2
3
4
5
6
7
8
9
0

FIG. 21

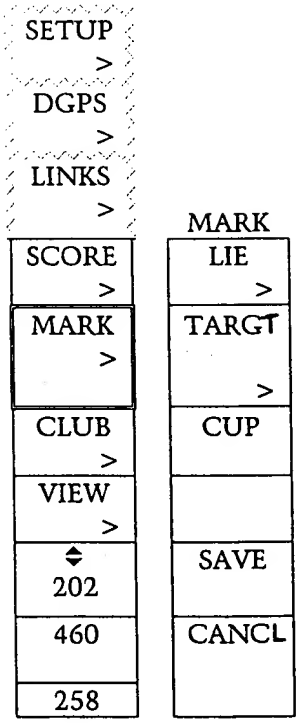

SETUP >
DGPS >
LINKS >
SCORE >
MARK >
CLUB >
VIEW >
202
460
258
MARK
LIE >
TARGT >
CUP
SAVE
CANCL

FIG. 22

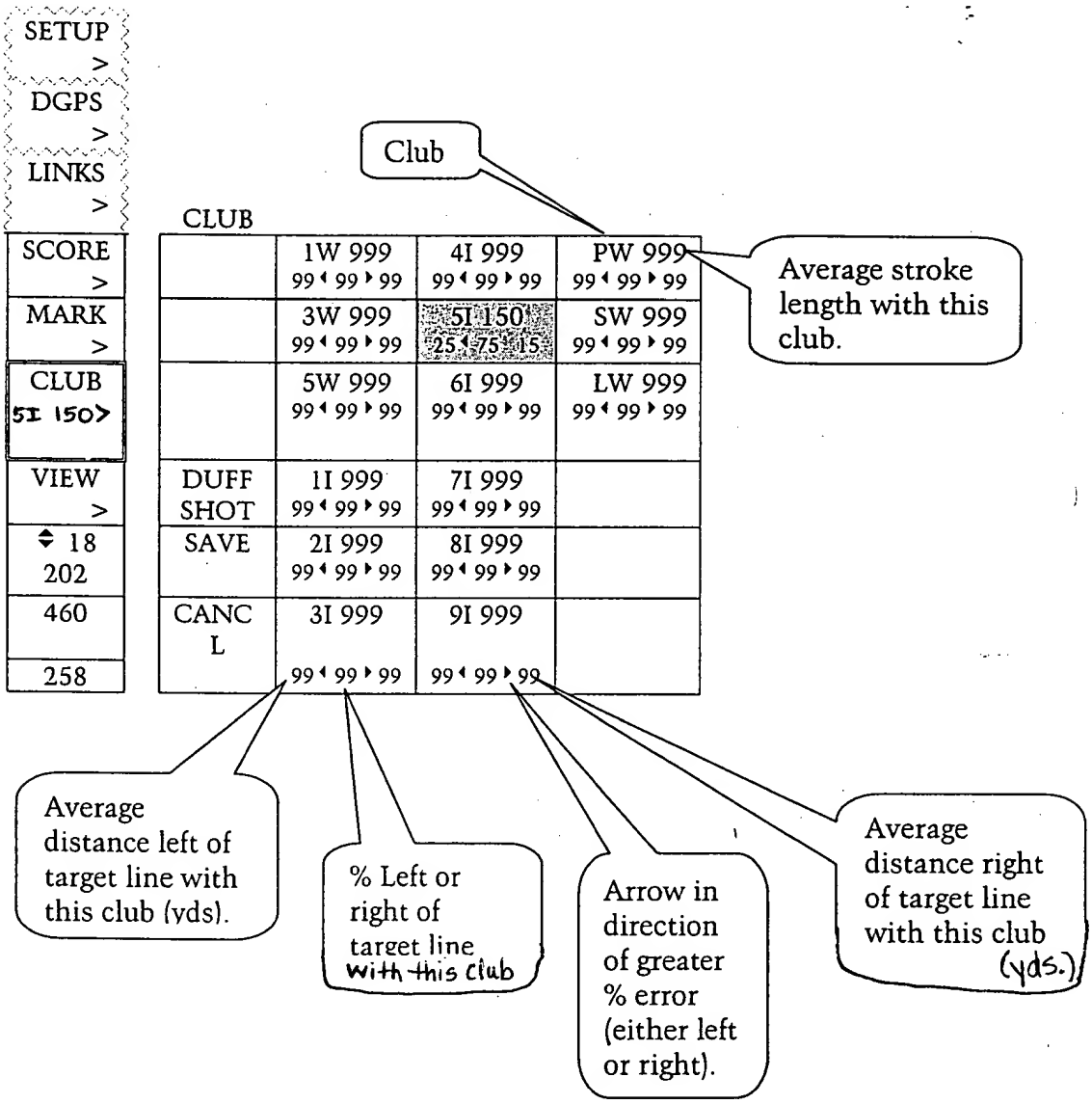

SETUP >
DGPS >
LINKS >
SCORE >
MARK >
CLUB 5I 150>
VIEW >
18 202
460
258
CLUB
1W 999 99 99 99
4I 999 99 99 99
PW 999 99 99 99
3W 999 99 99 99
5I 150 25 75 15
SW 999 99 99 99
5W 999 99 99 99
6I 999 99 99 99
LW 999 99 99 99
DUFF SHOT
1I 999 99 99 99
7I 999 99 99 99
SAVE
2I 999 99 99 99
8I 999 99 99 99
CANC L
3I 999 99 99 99
9I 999 99 99 99
Club
Average stroke length with this club.
Average distance left of target line with this club (yds).
% Left or right of target line with this club
Arrow in direction of greater % error (either left or right).
Average distance right of target line with this club (yds.)

FIG. 23

	VIEW	ZOOM	VIEW	PAN
SETUP >	ZOOM >	IN	ZOOM >	◀
DGPS >	PAN >	OUT	PAN >	▶
LINKS >	ME	AUTO	ME	▲
EDIT >		COURSE		▼
MARK >				BACK
VIEW >	MAIN	BACK	MAIN	MAIN

FIG. 24

Target Cursor	Point	
Lie Marker	Point	
Target Marker	Point	
Pin	Point	

FIG. 25

	DGPS	Diff	PICK
SETUP >	Diff >	AUTO	SCAN
DGPS >	GPS	PICK >	
LINKS >		VER#	
EDIT >			
MARK >			SAVE
VIEW >	CANCL	BACK	CANCL

FIG. 26

SCAN	Transmitter Location	Signal Strength/Signal to Noise Ratio		Distance (miles)
	St Louis, MO	----------|-----	65/25	73
	Rock Island, IL	----------|---	51/14	162
	Louisville, KY	--------|--	43/12	105
SAVE	Memphis, TN	--------|--	39/11	135
CANCL	Kansas City, MO	---|-	15/5	187

FIG. 27

MSG	Data	Format
GGA	UTC of Position	hhmmss.ss
GGA	Latitude, Direction	ddmm.mmmmmm, X
GGA	Longitude, Direction	dddmm.mmmmmm, X
GGA	Quality 1. Autonomous Position (GPS SPS mode) 2. RTCM differential corrected position	9
GGA	# of Satellites in use	99
GGA	HDOP	
GGA	Age of Differential	999
GGA	Diff. Station ID	9999
RMC	Status (Null, A, V)	X
RMC	Date	Mmddyy

FIG. 28

Feature	Type	Symbol
Hole	Area	Pattern not yet defined
Tee Box	Area	Solid line
Green	Area	Solid line
Fairway	Area	Solid line
Rough	Area	Pattern not yet defined
Ditch	line1	Solid line
Building	Area	Solid line
Bunker	Area	
Water	Area	
Bush	Point	
Tree	Point	
Rock	Point	Pattern not yet defined
Mound	Point	Pattern not yet defined
Cart Path	Line3	6' wide solid gray line
Out of Bounds	Line2	
Flag or Pin		
Area too small to display	Area	
Current Location	Point	

Symbol table

FIG. 29

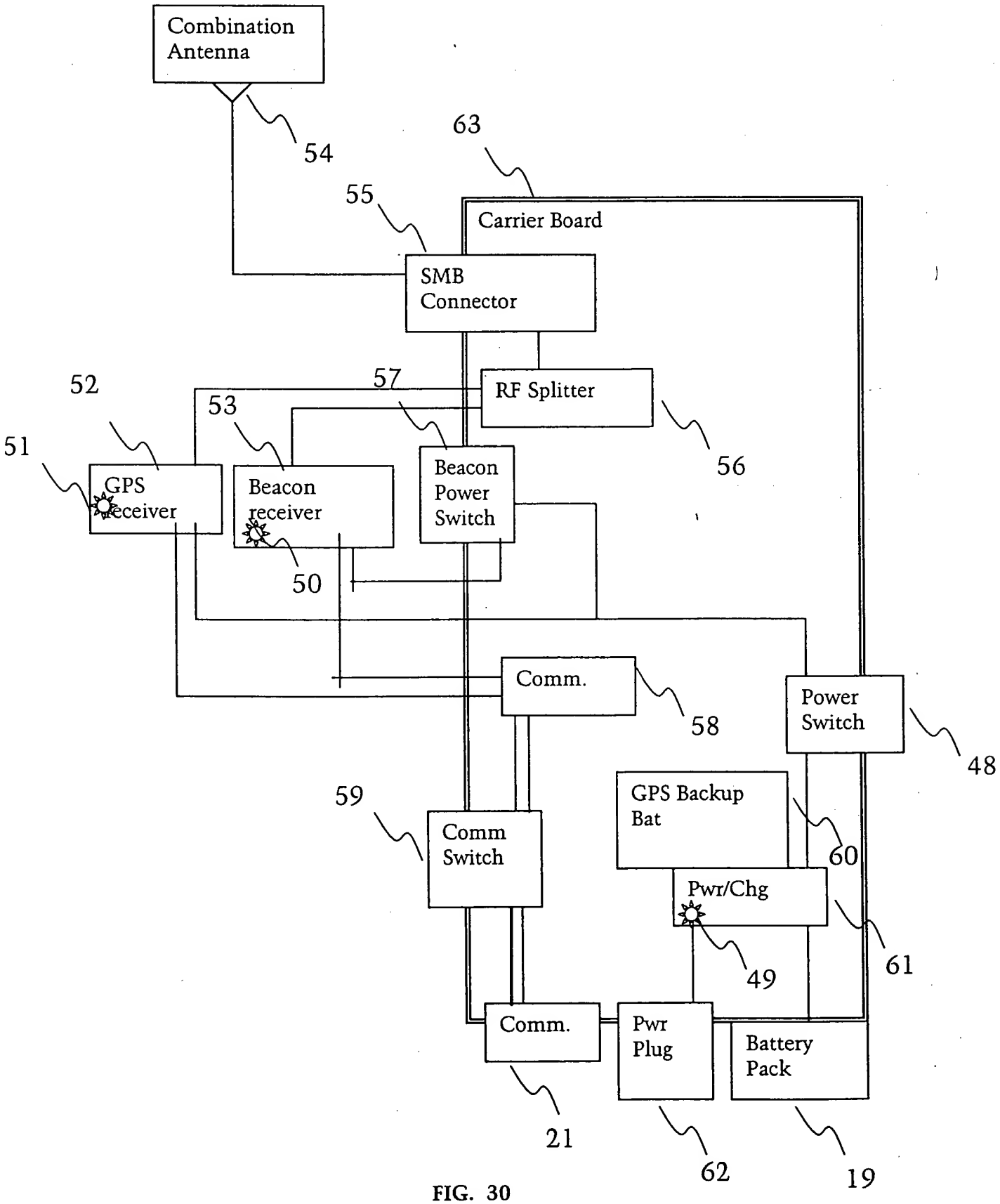

Combination Antenna
54
63
55
Carrier Board
SMB Connector
RF Splitter
57
52
53
51
56
GPS receiver
Beacon receiver
Beacon Power Switch
50
Comm.
58
Power Switch
48
59
GPS Backup Bat
60
Comm Switch
Pwr/Chg
61
49
Comm.
Pwr Plug
Battery Pack
21
62
19

FIG. 30